

BELZONA REBUILDS AND PROTECTS HEX END BELL AND CAP AT A BEVERAGE FACILITY

ID: 7809

Industry: Food & Drink

Application: HEX-Heat Exchangers

Substrate: Steel

Products: * Belzona 1391T ,
* Belzona 1511 (Super HT-Metal) ,

Customer Location: Florida, USA

Application Date: August 2018

Problem

Erosion-corrosion wear caused by having no protective coating before the heat exchanger started its service life.



Photograph Descriptions

- * End Cap after abrasive blasting ,
- * End Cap after application of Belzona 1511 and 1391T ,
- * End Bell after abrasive blasting ,
- * End Bell after application of Belzona 1511 and 1391T ,

Application Situation

HEX end bell and cap at a juice manufacturing facility.

Application Method

The application was carried out in accordance with modified versions Know-How System Leaflets: HEX-2 and HEX-3. Both the end bell and the cap was abrasive blasted to a near white metal finish with an angular profile of 3 mills. Belzona 1511 was used to rebuild the steel substrate for high conditions Belzona 1391T to protect the steel substrate for high heat conditions.

Belzona Facts

The Customer needed to prolong the service life of a heat exchanger. The alternative was to purchase a new end cap and end Bell for the heat exchanger unit due to it leaking on the sides during operation. The cost-effective solution was to rebuild it with Belzona 1511 and protect it with Belzona 1391T protection system against high heat operation. This long lasting solution has saved the Customer downtime and money for future operation costs.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

BELZONA
Repair • Protect • Improve

Copyright © Belzona International Limited 2025

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

Copyright © Belzona International Limited 2025

